



**US Army Corps
of Engineers®**
Engineer Research and
Development Center

Information Technology Laboratory

Mission

The Information Technology Laboratory (ITL) supports the research missions of ERDC, other Corps activities, the Army, DoD, and other agencies by conceiving, planning, managing, conducting, and coordinating R&D and providing operational support in high-performance computing, general-purpose computing, computer-aided and interdisciplinary engineering, computer science, information management/technology, and instrumentation systems.

Program Areas

In support of ERDC's R&D and business processes, ITL administers all activities and programs associated with the Information Management (IM) discipline areas, namely high-bandwidth communications, automation, records management, library services and holdings, visual information, and electronic and traditional printing and publishing. In addition, ITL has major program efforts in high-performance computing, computer-aided engineering, computer-aided design and drafting (CADD), geographic information systems (GIS), scientific and civil engineering instrumentation, software engineering, and scientific visualization. ITL manages one of four DoD High Performance Computing Major Shared Resource Centers (MSRC); the CADD/GIS Technology Center for Facilities, Infrastructure, and Environment; the Corps of Engineers Enterprise Infrastructure Services (CEEIS) Central Processing Center; and the Corps' Software Technology Center.

Facilities

Headquartered in Vicksburg, MS, ITL is a distributed organization with additional personnel located in Champaign, IL, Hanover, NH, and Alexandria, VA. ITL's IM infrastructure supports the ERDC laboratories, Corps, Army, DoD, and other government agencies. The ERDC MSRC located in ITL provides advanced computational assets and expertise to more than 1,000 DoD researchers nationwide. The Scientific Visualization Center, operated as part of the MSRC, is one of the premier such centers in the nation, and the MSRC Advanced Technology Lab investigates emerging data interpretation tools, such as three-dimensional volume visualization, immersive technology, and virtual reality. Other facilities managed by ITL include the CADD/GIS Technology Center, which develops and fosters application and standardization of CADD/GIS technology nationwide, and the CEEIS Central Processing Center which provides 50 percent of the Corps' total Management Information System processing. The CEEIS Program is managed by ITL on behalf of the Deputy Chief of Staff for Corporate Information in Corps Headquarters. ITL's Instrumentation Systems Development Division is the Corps' premier organization in the design, development, and application of sensors, sensor-integrating software, electronics, measurements, and feedback-control systems.

Point of Contact

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